

ABSTRACT OF THE DISCLOSURE

A composite board comprises feather barb reinforced resin. The resin is typically polyurethane, which may be foamed or unfoamed. One or both surfaces can be reinforced by embedded fiberglass mats. The products are hard, heat and weather resistant, flexible, stronger than plywood, light and screw retentive. The board is be molded from a polyurethane precursors-feather barb slurry with or without blowing agents and with or without one or two polyurethane saturated fiberglass mats embedded in the surface. Alternatively the board can be molded continuously using conveyor belts. The polyurethane is the same throughout in the fiberglass reinforced surface and the feather barb reinforced core, whether foamed or not.